

ABSTRACT OF THE DISCLOSURE

An under bump metallurgy structure is applicable to be disposed above the wafer and on the bonding pads of the wafer. The wafer comprises a passivation layer and an under bump metallurgy structure. The passivation layer exposes the bonding pads, and the under bump metallurgy structure including an adhesive layer, a first barrier layer, a wetting layer and a second barrier layer are sequentially formed on the bonding pads. Specifically, the material of the second barrier mainly includes tin-nickel alloy.